



countdown

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Failed SRB valve to be replaced at Pad 39A



◆ Shuttle Update:

Discovery was scheduled to roll out Monday to Launch Pad 39A, beginning at 12:01 a.m.

The rollout was postponed by one day when, during prerollout preparations and testing Saturday morning in the VAB, the check valve filter assembly failed inside Discovery's left-hand solid rocket booster hydraulic power unit tilt system, which helps steer the SRBs during launch. The additional time to evaluate the issue postponed the rollout.

Any work to replace the valve and associated hardware will be done at the launch pad. Managers are assessing how to integrate the additional work with standard prelaunch processing activities.

◆ **ELV Update:** On July 27, the Solar Dynamics Observatory spacecraft was moved from a work stand onto a Ransome table. This device allows for the spacecraft to be raised, lowered or rotated into various orientations for access to the spacecraft's instruments and subsystems. On July 28, the initial charging of the spacecraft's flight battery was completed.

The SDO full observatory comprehensive performance test still is planned to begin Aug. 10. This will fully test all of the spacecraft's science instruments and will be the last major evaluation before launch.

■ **STS-125 Crew Return Presentation Friday** — All employees are invited to welcome the crew of STS-125 back to KSC! Having completed their successful mission of re-servicing the Hubble Space Telescope for the last time, Commander

SDO flight battery charged and ready for testing

Scott Altman and crew will share personal stories, photos and videos of their exciting and challenging journey. The STS-125 crew return presentation will be held in the OSBII 5th Floor Conference Room on Friday at 1 p.m. Please arrive early as seating is on a first-come, first-served basis. If you have any questions, please e-mail layla.m.higgins@nasa.gov.

■ **Mini ODIN IT EXPO** — Check out the Outsourcing Desktop Initiative for NASA (ODIN) Mini IT Expo Aug. 11 from 10 a.m. to 1:30 p.m. in the HQ lobby. Some of the vendors that will be attending include HP, Apple, Kingston and Fujitsu. ODIN also will have a hands-on display section set up in the HQ Cafeteria. If you have any questions about the Expo, please e-mail KSC-ODIN-Outreach@mail.nasa.gov.

■ **PM Challenge 2010 Call For Speakers** — Above and Beyond! Do you have a topic of interest to NASA program and project management stakeholders? Proposal submissions are due Friday for the PM Challenge! Find out more at: <http://pmchallenge.gsfc.nasa.gov/Speaker2010.htm>.

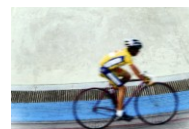


■ **NASA Science** — Two weeks after something slammed into Jupiter, creating a cloud of debris that is still easy to see through backyard telescopes, researchers are wondering ... what was the impactor? Read the full story at:

<http://science.nasa.gov/headlines/y2009>

[/03aug_whathitjupiter.htm](http://03aug_whathitjupiter.htm).

■ **Indian River Bridge (NASA Causeway) Lane Closure** — Scheduled bridge maintenance at the Indian River Bridge (S.R. 405, NASA Causeway) will require single-lane traffic flow each way on the westbound lanes from 8:30 a.m. to 2 p.m. through this week. Any questions or concerns, please call Earl Jarrett at 321-749-9062.



■ "Tour de KSC" Coming Oct. 17 —

Feel inspired by the Tour de France?

KSC is planning its own Tour de KSC! On Oct. 17, KSC will host a bike ride event on center just for employees and a limited number of their guests. Mark your calendars and save the date!

The event will be from 8 a.m. until noon. The routes vary in length from 15 miles to 44 miles. Multiple pace groups will be assigned on each route -- this is **not** a race. The Tour de KSC event is linked to Cancer Awareness Day, which will be held for employees Oct. 16. Tickets will be \$20 each. Employees will be able to purchase one for themselves and up to three guests. Proceeds will go to the CFC General Fund.

Countdown is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 9 a.m. Mondays & Wednesdays. E-mail news to anita.l.barret@nasa.gov. For questions or information, e-mail or call 867-2815. You can also find PDF editions of *Countdown* on the Web at: http://www.nasa.gov/centers/kennedy/news/countdown/countdown_toc.html.